

AMENDMENTS TO THE CLAIMS

Please amend claim 1 as follows.

Please cancel claim 2.

1. (Currently Amended) A communication system utilizing two-wire transmission lines for transmitting a transmission signal represented by two AC components being opposite in phase appearance, comprising:

a plurality of nodes respectively connected to said two-wire transmission lines, each of said nodes having therewithin a low pass filter connected to said transmission lines, and two terminating resistors respectively connected to said transmission lines via said low pass filter,

said terminating resistors comprising a first terminating resistor for supplying a first predetermined potential to one of said two-wire transmission lines and a second terminating resistor for supplying a second predetermined potential different from said first predetermined potential to the other of said two-wire transmission lines.

2. (canceled)

3. (Previously presented) A communication system utilizing two-wire transmission lines for transmitting a transmission signal represented by two AC components being opposite in phase appearance, comprising:

a plurality of nodes respectively connected to said two-wire transmission lines, each of said nodes having therewithin:

a low pass filter connected to said transmission lines,

two terminating resistors respectively connected to said transmission lines via said low pass filter, and

a reception circuit for receiving said transmission signal, said reception circuit including:

an AC coupling circuit for extracting said AC components from said transmission signal on said transmission lines;

a bias circuit for applying a bias voltage to the AC components extracted by said AC coupling circuit; and

a clip circuit for clipping the level of each of the extracted AC components.

4. (Previously Presented) A reception circuit for receiving a transmission signal represented by two AC components being opposite in phase and appearing in a communication system utilizing two-wire type transmission lines, comprising:

an AC coupling circuit for extracting said AC components from said transmission lines;
two bias circuits being independent from each other and each for applying a bias voltage to each of the AC components extracted by said AC coupling circuit; and
two clip circuits being independent from each other and each for clipping the level of each of the biased AC components at levels between a potential and a ground level.

5. (Previously Presented) A reception circuit according to Claim 4, wherein each of said clip circuit comprises:

a resistor having one terminal connected to a reference potential;
a bias current supply circuit for supplying a fixed bias current to said resistor; and
a diode connected between the other terminal of said resistor and an output line of said AC coupling circuit.